


ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE** NH-165-1(40) Cherokee County **OFFICE** Preconstruction  
P. I. No. 620920  
**DATE** August 29, 1997  
**FROM**  C. Wayne Hutto, Assistant Director of Preconstruction  
**TO** SEE DISTRIBUTION

**SUBJECT** REVISED PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

**DISTRIBUTION:**

Walker Scott  
Bobby Mustin  
David Studstill (ATTN: Harvey Keepler)  
Jerry Hobbs  
Herman Griffin  
Marta Rosen (ATTN: Michael Henry)  
Marion Waters  
Toni Dunagan  
Paul Liles  
Jim Hitt (Traffic Ops)  
Jim Kennerly  
Charles Law

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** NH-165-1(40) Cherokee County  
P.I. No. 620920

**OFFICE** Road Design  
Atlanta, Georgia  
**DATE** July 29, 1997

**FROM**   
James Kennerly, State Road & Airport Design Engineer

**TO** Walker W. Scott, P.E, Director of Preconstruction

**SUBJECT** Revised Project Concept Report

The approved project is the widening and reconstruction of a 4.7 mile (+/-) section of S.R. 92 from Woodstock Road easterly to just west of I-575 south of Woodstock. The proposed project would reconstruct the existing two lane facility into a 4 lane w/44' grassed median facility except in the vicinity of the developed area at Bells Ferry Road where the facility will have 6 lanes (3 each direction) w/20' raised median.

The project length and termini as listed above are to be revised to read: The project is the widening and reconstruction of a 2.9 mile (+/-) section of S.R. 92 from just west of Woodland Drive easterly to Cherokee Trail.


The original concept report lists the design speed as 45 - 55 mph (70 - 90 km/h). This project is being revised to be designed at 70 km/h (45 mph) in its entirety. The maximum degree of curve is 6.0 degrees allowable and 4.5 degrees proposed. This will be revised to a maximum radius of 195 meters (8 deg. 57' 21" degree of curve). The maximum grade allowable was 4.5%. This will be revised to 7.0% maximum grade allowable and 6.0% proposed.

The typical section in the original concept report show both a rural and urban shoulder. The revised typical will only have an urban shoulder with curb and gutter. Sidewalks will be added where pedestrian studies show they are needed.

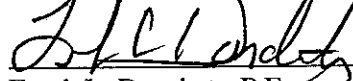
<u>Estimated Costs: NH-165-1(40)</u>	<u>Proposed</u>	<u>Approved</u>	<u>Program Date</u>
Constr.(Infl.& E&C)	\$8,793,060.00	\$5,528,000.00	2000-01
Right-of-Way	\$9,161,000.00	\$7,631,000.00	
Utilities	LGPA		

Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

**CONCURRENCE**

  
Walker W. Scott, P.E.  
Director of Preconstruction

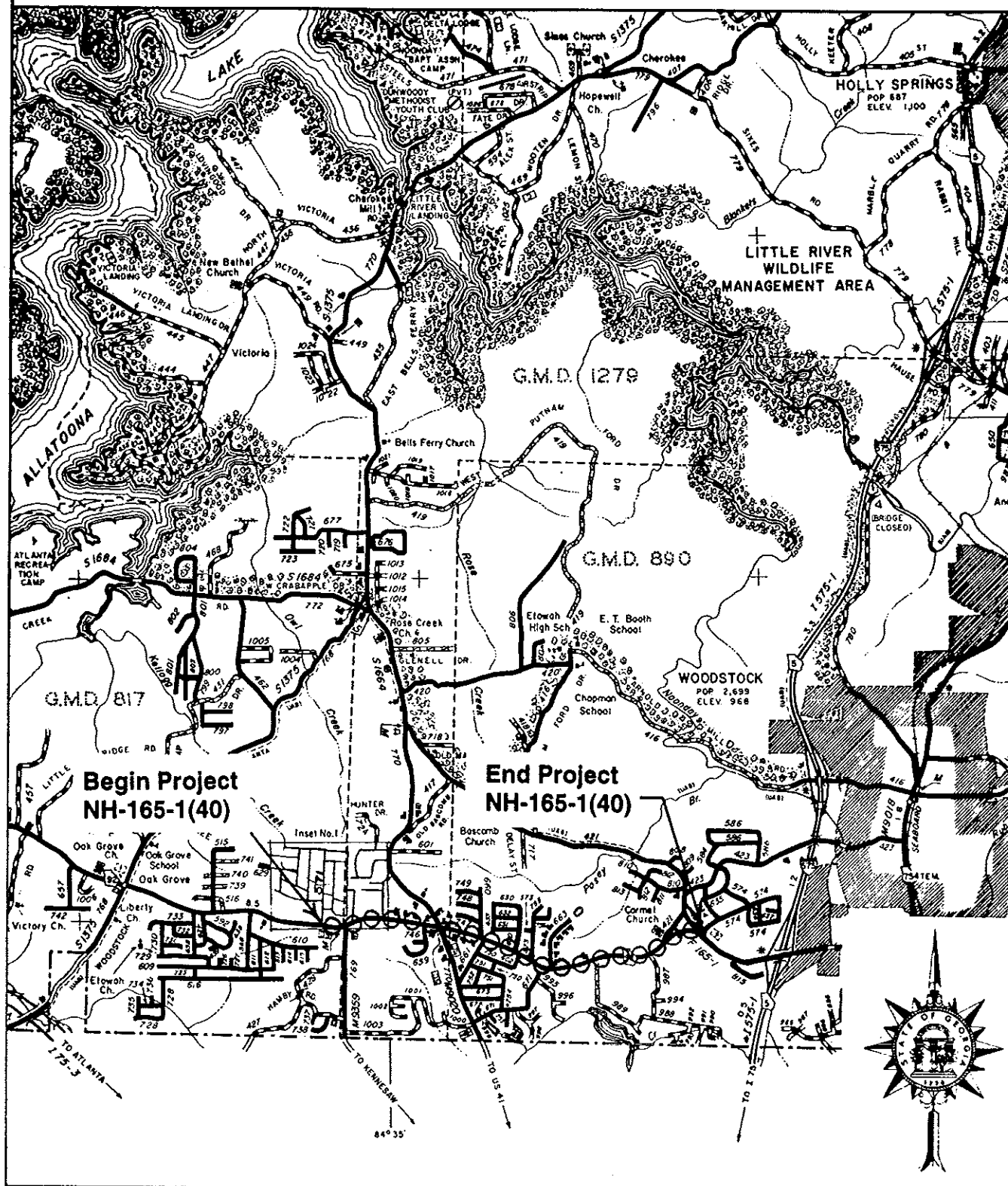
**APPROVAL**

  
Frank L. Danchetz, P.E.  
Chief Engineer

JAK:GRM:crm  
Attachments: Sketch Map, Typical Section

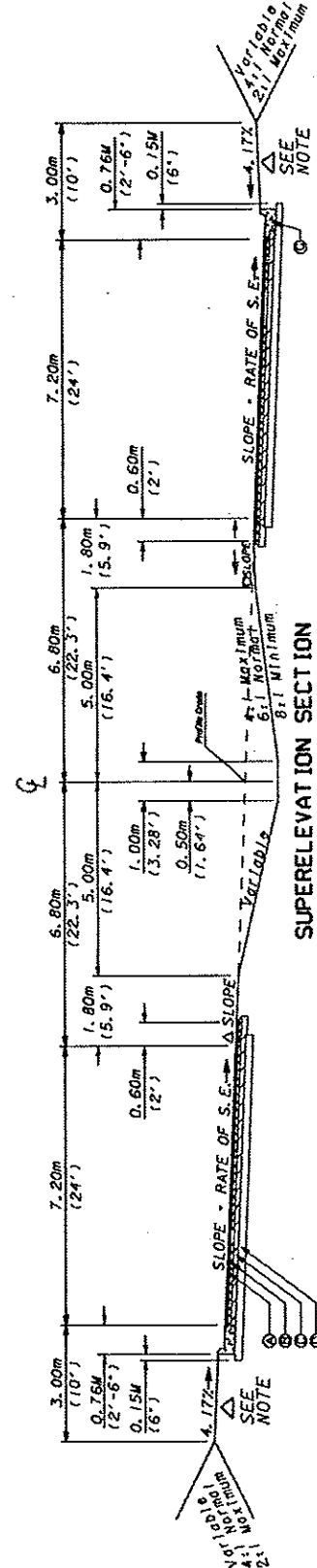
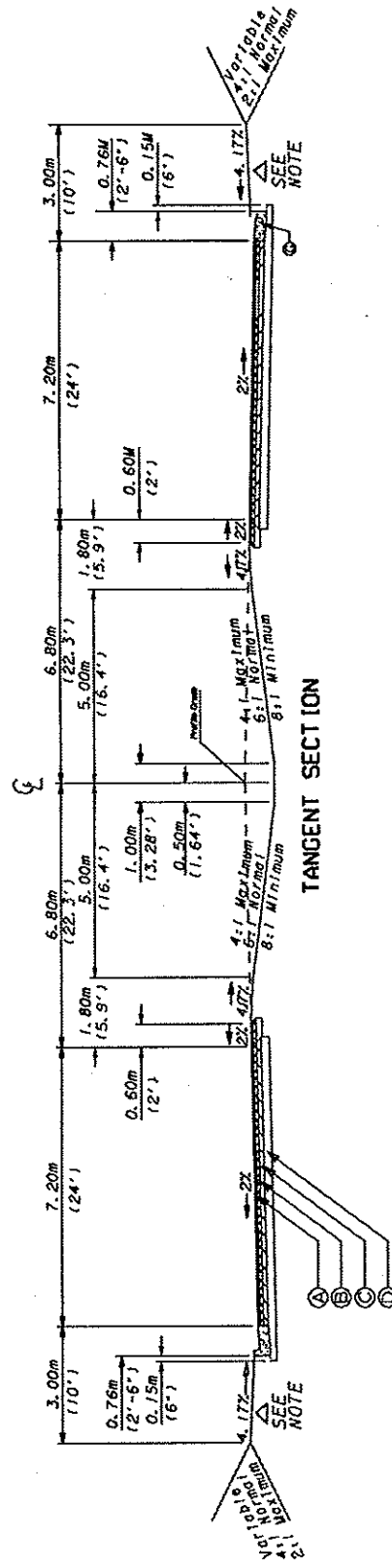


PROJECT MAP - Project No. : NH-165-1(40) Cherokee County



DATE	PROJECT NUMBER	REVISION
C.A.	NH-165-1(40)	

# TYPICAL SECTION NH-165-1(40) CHEROKEE COUNTY

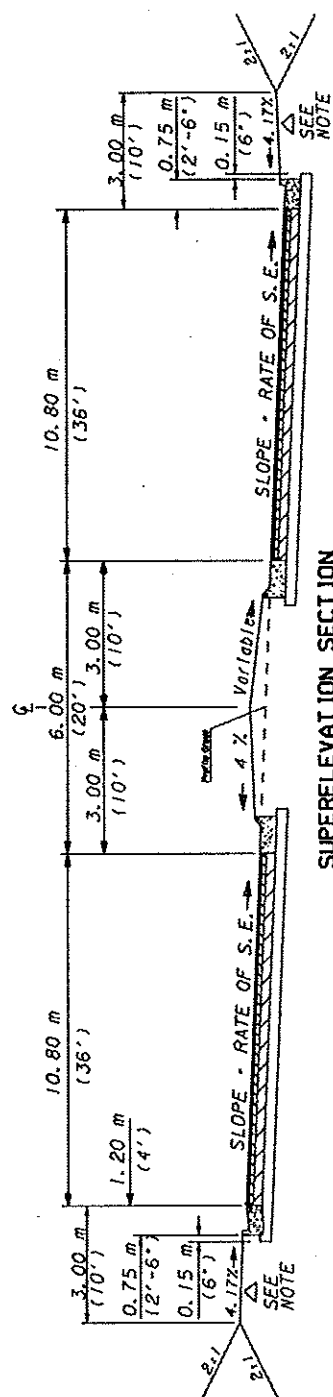
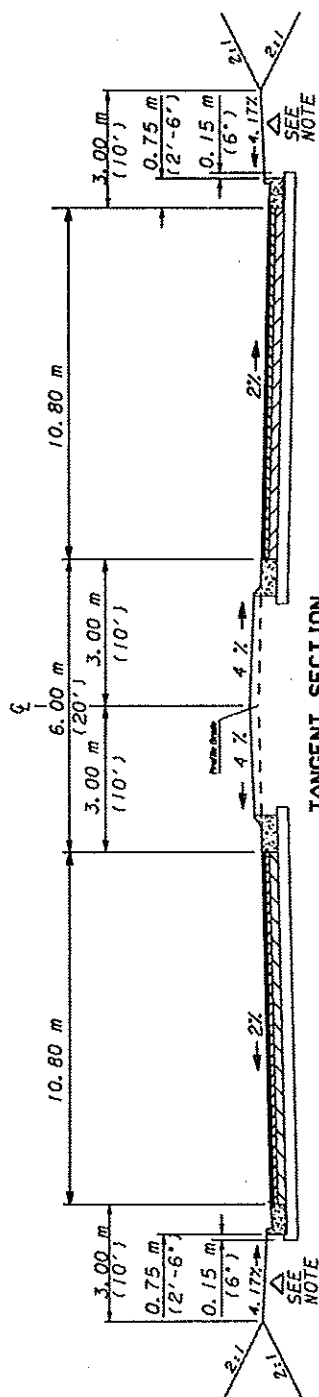


△ NOTE: USE 2.0% SHOULDER SLOPE WHERE SIDEWALK IS REQUIRED.

DATE	PROJECT NUMBER	DATE
G.A.	NH-165-1(40)	

# TYPICAL SECTION NH-165-1(40) CHEROKEE COUNTY

FOR USE IN DEVELOPED AREA AT BELLS FERRY RD.



△ NOTE: USE 2.08% SHOULDER SLOPE WHERE SIDEWALK IS REQ'D.

**PRELIMINARY COST ESTIMATE**

PROJECT NUMBER: [NH-165-1(40)]

COUNTY: [Cherokee]

DATE: [July 30, 1997]

ESTIMATED LETTING DATE: [January, 2000]

PREPARED BY: [DeWayne Comer]

PROJECT LENGTH (MILES): [2.9+/-]

( ) PROGRAMMING PROCESS ( ) CONCEPT DEVELOPMENT (X) DURING PROJECT DEV.

PROJECT COST	
A. RIGHT-OF-WAY:	
1. PROPERTY (LAND & EASEMENT)	\$ 4,736,000
2. DISPLACEMENTS; RES:2, BUS:2, M.H.:0	\$ 319,000
3. OTHER COST (ADM./COST, INFLATION)	\$ 4,106,000
SUBTOTAL:A	\$ 9,161,000
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$ 0
2. TRANSMISSION LINES	\$ 80,000
3. SERVICES	\$ 245,000
SUBTOTAL:B	\$ 325,000
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	\$ 200,000
a. RETAINING WALLS	\$ 0
b. BRIDGES	\$ 0
c. DETOURS BRIDGES	\$ 0
d. BOX CULVERTS	\$ 40,000
SUBTOTAL:C-1	\$ 240,000
2. GRADING AND DRAINAGE:	
a. EARTHWORK	\$ 1,308,000
b. DRAINAGE:	
1) Cross Drain Pipe (exclude box culverts)	\$ 120,000
2) Curb and Gutter	\$ 250,500
3) Longitudinal System(include catch basins)	\$ 725,000
SUBTOTAL:C-2	\$ 2,403,500

PROJECT COST		
3. BASE AND PAVING:		
a. AGGREGATE BASE		\$ 1,120,000
b. ASPHALT PAVING: Surface	\$ 385,100	
Binder	\$ 475,200	
Base	\$1,026,900	
SUBTOTAL:C-3.b		\$ 3,007,200
c. CONCRETE PAVING		\$ 10,000
d. OTHER		\$ 403,000
SUBTOTAL:C-3		\$ 3,420,200
4. LUMP ITEMS:		
a. TRAFFIC CONTROL		\$ 75,000
b. CLEARING AND GRUBBING		\$ 552,000
c. LANDSCAPING		\$ 0
d. EROSION CONTROL		\$ 70,000
e. DETOURS		\$ 80,000
SUBTOTAL:C-4		\$ 777,000
5. MISCELLANEOUS:		
a. LIGHTING		\$ 0
b. SIGNING - STRIPING - SIGNAL		\$ 150,000
c. GUARDRAIL		\$ 0
d. SIDEWALK - MEDIAN BARRIER		\$ 321,100
SUBTOTAL:C-5		\$ 471,100
6. SPECIAL FEATURES	SUBTOTAL:C-6	\$ 0

**PRELIMINARY COST ESTIMATE**

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